

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-------------------------|--------------------|------------------|---------|------------------|
| L1 | 0 | hagstrom-tomas-\$.in. | US-PGPUB; USPAT | OR | OFF | 2006/03/03 16:25 |
| L2 | 0 | soderkvist-peter-\$.in. | US-PGPUB; USPAT | OR | OFF | 2006/03/03 16:25 |
| L3 | 1 | backvall-jan-\$.in. | US-PGPUB; USPAT | OR | OFF | 2006/03/03 16:25 |

L6 ANSWER 21 OF 90 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:241988 CAPLUS

DOCUMENT NUMBER: 138:248958

TITLE: Methods and formulations of steroid compounds to modulate the immune and cellular response in various pathological states.

INVENTOR(S): Ahlem, Clarence N.; Frincke, James M.; Dos Anjos De Carvalho, Luis Daniel; Heggie, William; Prendergast, Patrick T.; Reading, Christopher L.; Thadikonda, Krupakar Paul; Vernon, Russell N.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 161 pp., Cont.-in-part of U.S. Ser. No. 675,470.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 9

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| US 2003060425 | A1 | 20030327 | US 2001-820483 | 20010329 |
| US 6667299 | B1 | 20031223 | US 2000-535675 | 20000323 |
| EP 1422234 | A2 | 20040526 | EP 2004-3521 | 20000323 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY | | | | |
| ZA 2001003845 | A | 20020513 | ZA 2001-3845 | 20010511 |
| ZA 2001003852 | A | 20020611 | ZA 2001-3852 | 20010511 |
| ZA 2001006980 | A | 20030123 | ZA 2001-6980 | 20010823 |
| CA 2439687 | AA | 20020912 | CA 2002-2439687 | 20020301 |
| WO 2002069977 | A1 | 20020912 | WO 2002-US6708 | 20020301 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2003083231 | A1 | 20030501 | US 2002-87929 | 20020301 |
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| JP 2004537506 | T2 | 20041216 | JP 2002-569152 | 20020301 |
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| PRIORITY APPLN. INFO.: | | | | |
| | | | US 1998-109923P | P 19981124 |
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| US 2001-343523P | P 20011220 |
| WO 2002-US6708 | W 20020301 |
| US 2002-329065 | A1 20021221 |

OTHER SOURCE(S): MARPAT 138:248958

AB The invention provides compns. comprised of steroids, e.g., 16 α -bromo-3 β -hydroxy-5 α -androstan-17-one hemihydrate and one or more excipients, including compns. that comprise a liquid formulation comprising less than about 3% volume/volume water. The compns. are useful to make improved pharmaceutical formulations. The invention also provides methods of intermittent dosing of steroid compds. such as analogs of 16 α -bromo-3 β -hydroxy-5 α -androstan-17-one and compns. useful in such dosing regimens. The invention further provides compns. and methods to inhibit pathogen replication, ameliorate symptoms associated with immune dysregulation and to modulate immune responses in a subject using the compds. The invention also provides methods to make and use these immunomodulatory compns. and formulations.

IT 2226-66-6 2697-85-0 459812-86-3
459812-90-9

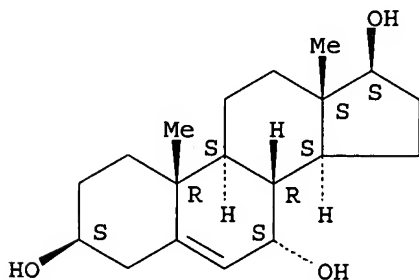
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(methods and formulations of steroid compds. to modulate the immune and cellular response in various pathol. states)

RN 2226-66-6 CAPLUS

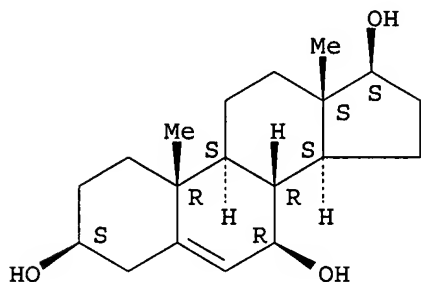
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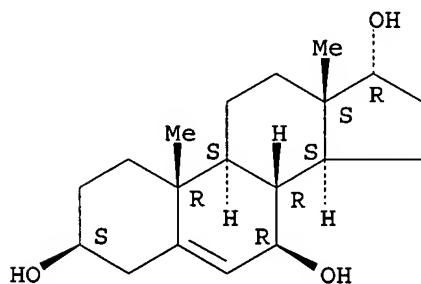
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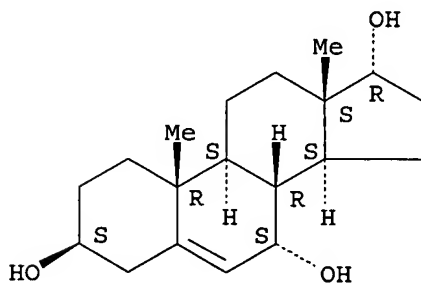
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Absolute stereochemistry.



RN 459812-90-9 CAPLUS
 CN Androst-5-ene-3,7,17-triol, (3 β ,7 α ,17 α)- (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.



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FILE 'REGISTRY' ENTERED AT 15:57:33 ON 03 MAR 2006

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L3 145 SEA SSS FUL L1
L4 STRUCTURE UPLOADED
L5 74 SEA SUB=L3 SSS FUL L4

FILE 'CAPLUS' ENTERED AT 16:01:53 ON 03 MAR 2006

L6 90 SEA ABB=ON PLU=ON L5
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FILE 'STNGUIDE' ENTERED AT 16:07:38 ON 03 MAR 2006

FILE 'MARPAT' ENTERED AT 16:24:05 ON 03 MAR 2006

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 MAR 2006 HIGHEST RN 875740-40-2

DICTIONARY FILE UPDATES: 2 MAR 2006 HIGHEST RN 875740-40-2

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FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Feb 24, 2006 (20060224/UP).

FILE MARPAT
FILE CONTENT: 1969-PRESENT (VOL 144 ISS 9 (20060224/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1969-1987

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

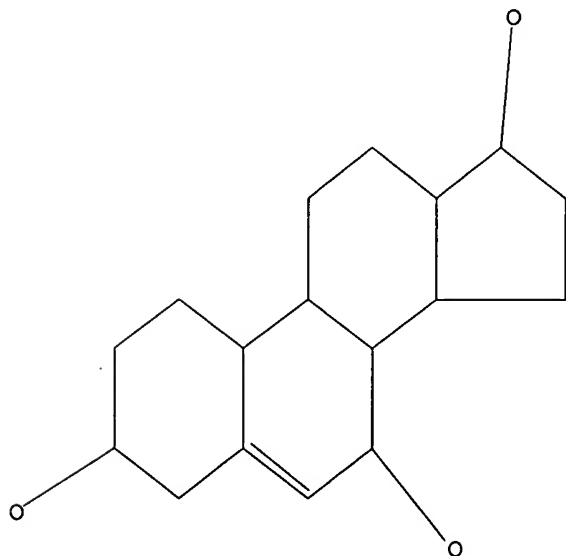
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| US | 2006014764 | 19 | JAN | 2006 |
| DE | 2020050148977 | 22 | DEC | 2005 |
| EP | 1605533 | 14 | DEC | 2005 |
| JP | 2005353222 | 22 | DEC | 2005 |
| WO | 2006003494 | 12 | JAN | 2006 |

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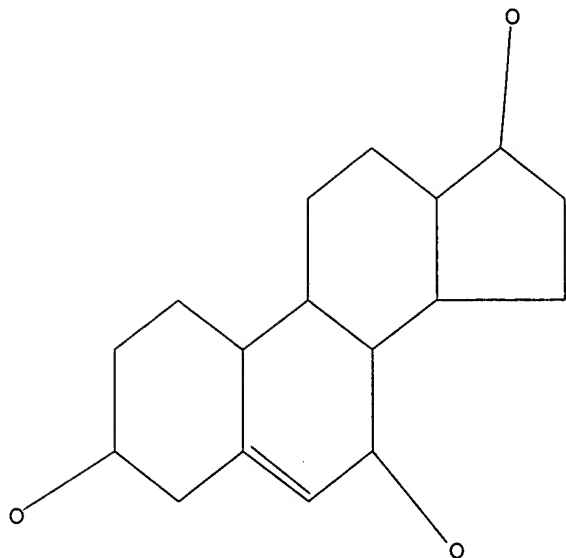
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L1 STR



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L3 145 SEA FILE=REGISTRY SSS FUL L1
L4 STR



Structure attributes must be viewed using STN Express query preparation.

L5 74 SEA FILE=REGISTRY SUB=L3 SSS FUL L4
L6 90 SEA FILE=CAPLUS ABB=ON PLU=ON L5